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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/849,512	05/17/2004	Karl Robert Hansen	01560.0022-US-U1	7138
22865	7590	12/12/2007	EXAMINER	
Altera Law Group, LLC			HESS, DOUGLAS A	
220 S 6 St Suite 1700				
Minneapolis, MN 55402			ART UNIT	PAPER NUMBER
			3651	
			MAIL DATE	DELIVERY MODE
			12/12/2007	PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b>	<b>Applicant(s)</b>	
	10/849,512	HANSEN ET AL.	
	<b>Examiner</b>	<b>Art Unit</b>	
	Douglas A. Hess	3651	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --  
**Period for Reply**

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

#### Status

- 1) Responsive to communication(s) filed on Election of 10/15/2007.
- 2a) This action is FINAL.                    2b) This action is non-final.
- 3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

#### Disposition of Claims

- 4) Claim(s) 1-54 is/are pending in the application.
  - 4a) Of the above claim(s) 1-11, 17-29 and 36-38 is/are withdrawn from consideration.
- 5) Claim(s) \_\_\_\_\_ is/are allowed.
- 6) Claim(s) 12, 13, 30-32, 35, 39-48, 51 and 53 is/are rejected.
- 7) Claim(s) 14-16, 33, 34, 49, 50, 52 and 54 is/are objected to.
- 8) Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

#### Application Papers

- 9) The specification is objected to by the Examiner.
- 10) The drawing(s) filed on 17 May 2004 is/are: a) accepted or b) objected to by the Examiner.  
 Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
 Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

#### Priority under 35 U.S.C. § 119

- 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
    - a) All    b) Some \* c) None of:
      1. Certified copies of the priority documents have been received.
      2. Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
      3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- \* See the attached detailed Office action for a list of the certified copies not received.

#### Attachment(s)

- 1) Notice of References Cited (PTO-892)
- 2) Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) Information Disclosure Statement(s) (PTO/SB/08)  
 Paper No(s)/Mail Date 8/20/04.
- 4) Interview Summary (PTO-413)  
 Paper No(s)/Mail Date. \_\_\_\_\_.
- 5) Notice of Informal Patent Application
- 6) Other: See Continuation Sheet.

Continuation of Attachment(s) 6). Other: USP 4,421,228Cover sheet and sheet 2of 2.; USP 4,884,313 cover sheet.

**DETAILED ACTION**

***Election/Restrictions***

1. Applicant's election without traverse of claims 12-16, 30-35, and 39-54 in the reply filed on October 15, 2007 is acknowledged.

***Claim Rejections - 35 USC § 112***

2. The following is a quotation of the second paragraph of 35 U.S.C. 112:

The specification shall conclude with one or more claims particularly pointing out and distinctly claiming the subject matter which the applicant regards as his invention.
3. Claims 39-45 are rejected under 35 U.S.C. 112, second paragraph, as being indefinite for failing to particularly point out and distinctly claim the subject matter which applicant regards as the invention.

Claim 39 recites the limitation "the street sweeper" in the last line. There is insufficient antecedent basis for this limitation in the claim.

***Claim Rejections - 35 USC § 102***

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

5. Claims 30, 35, 39, 40, 46, and 51 rejected under 35 U.S.C. 102(b) as being anticipated by Zoni USP 4,884,313.

See the attached marked up cover sheet of Zoni depicting the claimed features.

***Claim Rejections - 35 USC § 103***

6. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

7. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

8. Claims 12, 13, 31, 32, 41-45, 47, 48, and 53 are rejected under 35 U.S.C. 103(a) as being unpatentable over Marsiglio et al. USP 4,421,228.

See the attached marked up cover sheet and drawing sheet 2 of 2 depicting many of the claimed features.

Marsiglio discloses a belt instead of a pair of chains. It would have been an obvious matter of design choice as to the type of conveyor medium is selected for a particular task based on those particular design features. The examiner takes Official Notice of the equivalence of belts and chains for their use in the conveying arts and the selection of any of these known equivalents would be well within the level of ordinary skill in the art. The same argument can be held for the type of tension adjusting mechanisms as well. The selection of a pneumatic, hydraulic, spring, rack and pinion falls within the level of ordinary skill in the art as functional equivalents as well.

***Allowable Subject Matter***

9. Claims 14-16, 33, 34, 49, 50, 52, 54 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

***Conclusion***

10. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

11. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Douglas A. Hess whose telephone number is 571-272-6915. The examiner can normally be reached on M-Thurs 5:30 - 4:00.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Gene Crawford can be reached on 571-272-6911. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

12. Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Douglas A Hess  
Primary Examiner  
Art Unit 3651

12-3-07

DAH  
December 3, 2007

# United States Patent [19]

Zoni

[11] Patent Number: 4,884,313

[45] Date of Patent: Dec. 5, 1989

[54] STREET SWEEPER MACHINE WITH TRASH PICK-UP AND TRANSPORT CAPABILITIES

[75] Inventor: Sergio Zoni, Parma, Italy

[73] Assignee: Dulevo S.p.A., Sanguinaro Di Fontanellato, Italy

[21] Appl. No.: 195,824

[22] Filed: May 19, 1988

[30] Foreign Application Priority Data

May 19, 1987 [IT] Italy ..... 20586 A/87

[51] Int. Cl. 4 ..... E01H 1/02

[52] U.S. Cl. ..... 15/340.3; 15/348;

180/140

[58] Field of Search ..... 15/340.3, 340.4, 348;

180/140

[56] References Cited

U.S. PATENT DOCUMENTS

953,201 3/1910 Harn ..... 15/348

1,181,279 5/1916 Williams ..... 15/348

1,208,046 12/1916 Talbot ..... 15/340.3 X

3,202,238 8/1965 Strader ..... 180/140

4,269,560 5/1981 Thomas ..... 180/140 X  
4,638,883 1/1987 Moriuzumi et al. ..... 180/140 X

FOREIGN PATENT DOCUMENTS

2405332 6/1979 France ..... 15/340.3

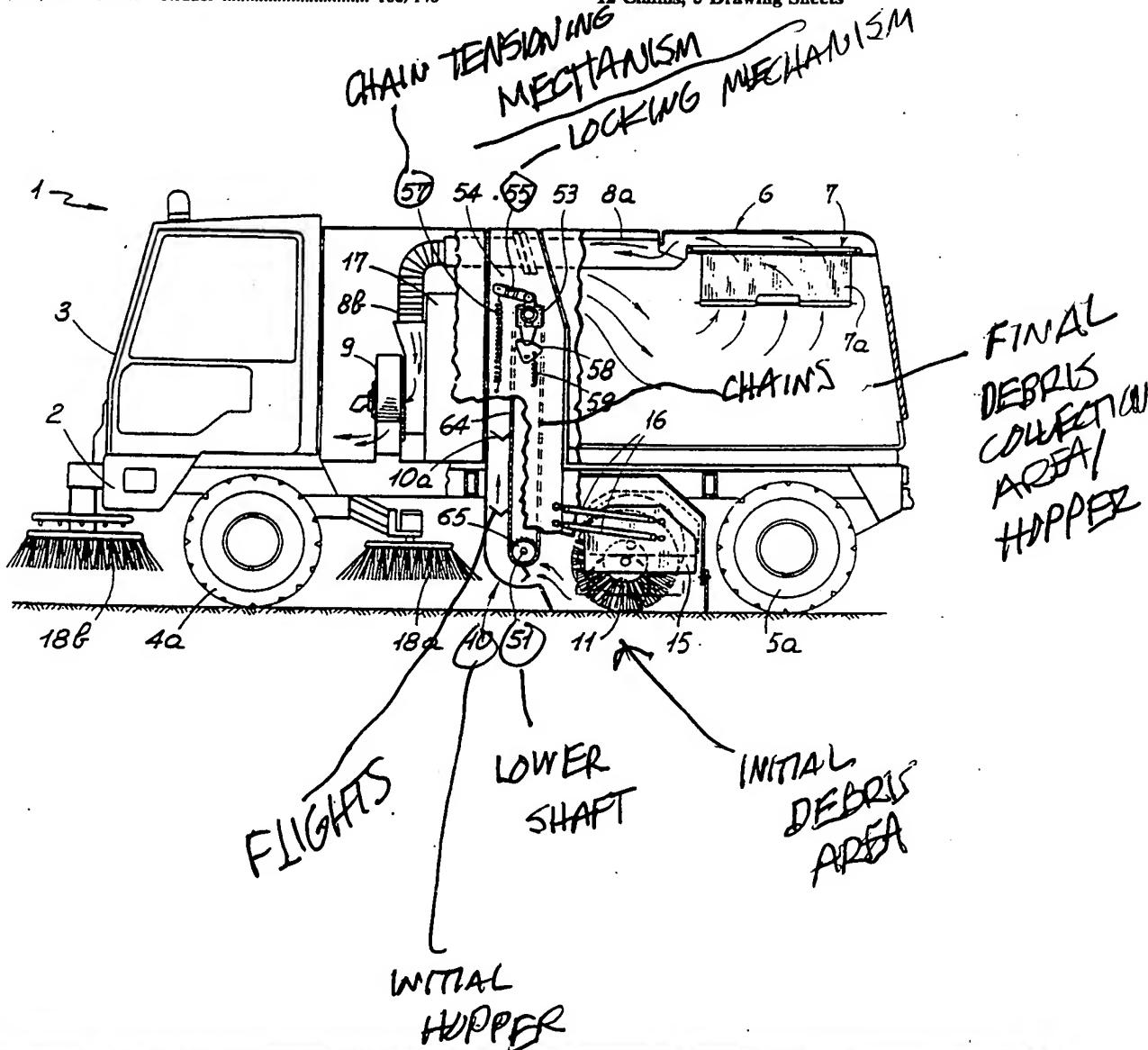
Primary Examiner—Chris K. Moore

Attorney, Agent, or Firm—Browdy & Neimark

[57] ABSTRACT

A street sweeper machine is provided for picking up and transporting trash comprising a frame having a main longitudinal dimension and engaging front and rear wheels, a driver's cab, motor members, a trash bin, a roll brush located between said wheels and having an axis symmetry parallel to a surface to be cleaned and transverse to said longitudinal dimension, a trash conveyor conveying trash from said roll brush to said bin, and steering members engaging all of said wheels to make all of them steerable and adapted to define an intersect point for the axes of said wheels in cornering which lies proximate a continuation of said axis of symmetry of said roll brush.

12 Claims, 5 Drawing Sheets



# United States Patent [19]

Marsiglio et al.

[11] 4,421,228  
[45] Dec. 20, 1983

[54] PERIODICALLY ALIGNING AN ENDLESS WEB

[56]

## References Cited

### U.S. PATENT DOCUMENTS

2,788,883	4/1957	Schwenk .....	198/813
3,357,347	3/1966	Xerox .....	
3,770,108	11/1973	Ettel .....	198/807
3,921,793	11/1975	Hutchinson et al. ....	198/813
3,973,446	8/1976	Vasilantone .....	
4,079,834	3/1978	Fletcher, Jr. et al. ....	198/810
4,286,706	9/1981	Castelli et al. ....	198/806

[75] Inventors: Carl M. Marsiglio, Spencerport; John P. Swapceinski, Bergen, both of N.Y.

[73] Assignee: Eastman Kodak Company, Rochester, N.Y.

[21] Appl. No.: 293,577

[22] Filed: Aug. 17, 1981

[51] Int. Cl. B65G 23/44

[52] U.S. Cl. 198/814; 198/840

[58] Field of Search 198/814, 813, 815, 816, 198/806, 840, 807, 810; 271/275, 198; 226/15, 16, 18, 3 R, 3 BE

Primary Examiner—Joseph E. Valenza

Assistant Examiner—Dennis J. Williamson

Attorney, Agent, or Firm—Lawrence P. Kessler

[57]

## ABSTRACT

Web-tracking method and apparatus periodically reduces tension on endless web, laterally adjusts the position of the web, and then restores web tension.

7 Claims, 2 Drawing Figures

